

SINGLE-PHASE MULTI-POLAR MAGNET TYPE GENERATOR FOR VEHICLES

ABSTRACT

1 A rotating electrical machine such as an electrical generator that can be utilized to
2 provide high efficiencies and high outputs in connection with a compact construction. This
3 achieved by having a plurality of spaced permanent magnets of opposite polarity that cooperate
4 with armature coils. The permanent magnets are disposed in circumferentially spaced
5 orientation relative to the axis of relative rotation at a magnet electrical angle θ that is in the
6 range of 120° to 140°